EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	24	percoll SAME iodixanol	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2006/07/10 10:17
L2	10	(percoll SAME iodixanol) and liver	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2006/07/10 10:19
L3	1233	((percoll or iodixanol) and (centrifugation or spin)) and liver	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2006/07/10 10:20
L4	747	((percoll or iodixanol) same (centrifugation or spin)) and liver	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2006/07/10 10:21
L5	2	(((percoll or iodixanol) same (centrifugation or spin)) and liver).clm.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2006/07/10 10:22
L6	85	(((percoll or iodixanol) same (centrifugation or spin)) same (hepatocyte or liver))	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2006/07/10 10:23

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1: In Vitro Cell Dev Biol. 1986 Apr;22(4):201-11. Related Articles, Links

Use of a low-speed, iso-density percoll centrifugation method to increase the viability of isolated rat hepatocyte preparations.

Kreamer BL, Staecker JL, Sawada N, Sattler GL, Hsia MT, Pitot HC.

A simple yet effective method (iso-density percoll centrifugation) has been developed for consistently preparing isolated rat liver parenchymal cells with over 98% initial viability. The method has been applied to cells isolated by a variety of collagenase digestion techniques. This procedure involves the low-speed centrifugation (50 X g) of the initial cell suspension through a percoll medium having a density of 1.06 g/ml and results in the separation of single and viable parenchymal cells from cell aggregates, debris, and nonparenchymal cells. The enriched parenchymal cells have been shown to be superior to untreated cells by a number of criteria including: preparation homogeneity, cell morphology, maintenance of cytochrome P-450, hormonal responsiveness (measured by the induction of tyrosine aminotransferase after treatment with glucagon or dexamethasone, or both), plasma membrane integrity (determined by both trypan blue exclusion and leakage of glutamic-oxaloacetic transaminase), and the DNA repair capability after treatment with benzo[a]pyrene or 2-acetylaminofluorene.

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